

PROJECTS

NSLS FACILITY IMPROVEMENTS

Frank Terrano

NSLS

Assistant to Chairman

WORK PLANNING AND CONTROL SYSTEM

FY 1998 was a year of change at BNL as well as at the NSLS. Not so much a physical change as a cultural one. Along with the new Brookhaven Science Associates (BSA) management of BNL, there came an increased emphasis on elevating the awareness of safety and environmental protection throughout the Laboratory. Along with the heightened awareness came new and more formalized systems and procedures, designed to ensure only the highest standards are maintained in these areas. The NSLS, with its community of two and one half thousand users doing research at the facility annually, has always maintained the utmost concern for individual safety and the environment, and continues to be in the forefront when addressing these issues. In the early part of FY 1998 the NSLS agreed to take on a pilot program for the (BNL) Laboratory which entailed the development of a Work Planning and Control System with its primary focus on improving control over the external work coming into the facility. The system was designed to provide a consistent method for identifying and analyzing job hazards, planning work, and coordinating job activities through the issuance of Work Permits for all external work coming into the NSLS. The pilot program met with great success, largely through the efforts of NSLS Building Manager, Mike Kelly and NSLS ES&H Officer, Tom Dickinson. By April 1998 the pilot was concluded and by July the rest of the Laboratory was on the new Work Planning and Control System. The process worked so well that its scope has been expanded to now include a review of all internal work performed by NSLS technical staff, with work permits to be issued as required via an internal review process. Mike Kelly has assumed the responsibilities of Work Control Manager for the overall program at the NSLS.

SPACE MODIFICATIONS

In response to the increasing need for laboratory/setup areas at the NSLS, room 1-110 (contiguous to the NSLS Green-Chasman Library), formerly used as a storage space has been reconfigured. During the fall of 1998, modifications were completed which converted the space into three separate laboratory/setup areas. Located adjacent to the experimental floor, the space is now much better utilized and provides some needed relief for our users. Additional storage has been made available in the basement of building #535 (connected to the experimental floor by tunnel) to accommodate the equipment and materials previously stored in room 1-110. Renovations to the new NSLS vacuum technician lab, occupying additional space recently acquired by the NSLS, together with the new interlock technician lab were completed in the fall of 1998. Both areas are in new locations in the lower level of building #535, connected by tunnel to the NSLS experimental floor, and are designed to provide improved workspaces as well as enhanced working conditions for the technicians. The actual move of both groups is planned to take place shortly after the December 1998 shutdown.

EXPERIMENTAL FLOOR LIGHTING

The new mercury vapor lighting fixtures to be installed around the X-ray and VUV Rings have been purchased and are in house. Having previously tested the new lighting in several locations around the rings, we found user opinions to be more favorable towards the new whiter "daylight" illumination than the dimmer "yellowish" light cast by the existing sodium lamps. There will also be some reconfiguration of the lighting plan to take better advantage the fixture locations with regard to the working areas around the experimental floor. Installation is planned to take place after the December 1998 shutdown. ■